

# MARKUS FREITAG

Curriculum Vitae

November, 2021



## CONTACT INFORMATION

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@ freitagmarkus@outlook.de

## CURRENT POSITION

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**Data Scientist**  
ARAG

02/2022

## WORK EXPERIENCE

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**Data Analyst**  
Futtrue GmbH

10/2021-1/2022

*Tasks:*

- Programming production-ready (R Shiny) Dashboards/Apps
- Increasing efficiency in data management
- Advising the statistical analysis of clinical trials

**Research Fellow** (Wissenschaftlicher Mitarbeiter)  
at the Chair of Empirical Political Research and Policy Analysis  
Geschwister Scholl Institute of Political Science  
LMU Munich

4/2021 - 7/2021

*Tasks:*

- Teaching [Programming with R](#)
- Research on statistical aspects of (conjoint) survey experiments
- Research on mass public preferences on arms exports

**Student Assistant**

9/2018-4/2021

at the Chair of Empirical Political Research and Policy Analysis  
Geschwister Scholl Institute of Political Science  
LMU Munich

*Tasks:*

- Teaching M.A.-level methods lab sessions
- Assisting the collection and analysis of data for various projects
- Supporting the publication of scientific articles

*Note:* Up to 20h/week (e.g. in winter term 19/20 und 20/21 due to extensive teaching).

**Internship at the Department of Government at University College Cork** 3/2017 - 5/2017

## EDUCATION

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<b>M.A. in Political Science</b> Final Grade: 1.19; Thesis: 1.0 LMU Munich	2/2021
<b>B.A. in Political Science</b> Final Grade: 1.54; Thesis 1.0 LMU Munich	9/2014 - 7/2018
<b>Visiting Student at University College Cork (Ireland)</b> 2-Semester Programme (ERASMUS-Grant)	9/2016 - 5/2017
<b>Abitur</b> Olching, Germany	7/2014

## LANGUAGE SKILLS AND TECH STACK

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<b>Languages</b>	German, English (OLS-Assesment C2), French (DELFL B1)
<b>Tech Stack</b>	Proficiency: R, Rmarkdown, R shiny, Git(Hub), LaTeX Advanced: Docker, SQL, Julia, Stata Basic: Python, Arc-Gis/Q-Gis, Javascript, HTML, CSS

## TEACHING EXPERIENCE

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<b>Lecturer</b> <a href="#">Introduction to Programming with R for Political Scientists.</a>	07/2021
<b>Teaching Assistant</b> GESIS Summer School. Course: "Using Directed Acyclic Graphs for Causal & Statistical Inference (Julian Schuessler)"	08/2021
<b>Teaching Assistant</b> Teaching lab sessions accompanying the Lecture "Political Science Methods for Master Students"	winter term 2020/2021
<b>Teaching Assistant</b> ECPR Winter School, Bamberg. Course: "Conditional Logit Models (Paul W. Thurner)"	2/2020
<b>Teaching Assistant</b> Teaching lab sessions accompanying the Lecture "Political Science Methods for Master Students"	winter term 2019/2020

## SOFTWARE

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[cjpowR](#)  
A Priori Power Analyses for Conjoint Experiments. R Package.

## RESEARCH INTERESTS

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Statistics/Data Science, (Observational) Causal Inference, Political Economy, Survey Methodology and Survey Experiments, Discrimination

## WORKING PAPER

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Schuessler, Julian and Markus Freitag (2020). *Power Analysis for Conjoint Experiments*. SocArXiv. [doi:10.31235/osf.io/9yuhp](https://doi.org/10.31235/osf.io/9yuhp).

Rudolph, Lukas, Freitag, Markus and Paul W. Thurner (2021). The Comparative Legitimacy of Arms Exports - A Conjoint Experiment in Germany and France. SocArXiv. <https://doi.org/10.31235/osf.io/r73pv>.

## SUMMER SCHOOLS & SELECTED ADDITIONAL COURSES

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<b>NLP with R &amp; Python for Twitter Data</b> Department of Statistics, LMU	5/2021
<b>Causal Mediation Analysis</b> UFP Barcelona	3/2021
<b>Probability - The Science of Uncertainty and Data</b> EdX Graduate Course (guest auditor)	Summer Term 2019
<b>GESIS Summer School in Survey Methodology</b> Cologne	8/2019
<b>Time Series Analysis</b> Department of Economics, UCC Ireland (top of class)	2017

## RESEARCH PROJECTS

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### [The Comparative Legitimacy of Arms Exports](#)

Project Member (PIs: Paul W. Thurner and Lukas Rudolph; funded by the German Foundation for Peace Research).